

Focus Area 15: Injury and Violence Prevention

Objective 15-28 calls for reduction in the hospitalization rates for hip fractures among persons aged 65 years and older to: (a) 491.0 per 100,000 females; and (b) 450.5 per 100,000 males.

Hospital discharge data indicate a statistically significant decline in discharges among California females aged 65 and older with a principal diagnosis of hip fracture (ICD-9-CM code 820 as a Principal Diagnosis) from 945.4 per 100,000 in 2000 to 740.5 per 100,000 in 2005 (Figure 15-28a, Table 15-28a). Although declining, these rates are still significantly higher than the HP2010 target set for females aged 65 years and older.

Hip fracture hospitalizations for California males aged 65 and older also declined significantly from 479.5 per 100,000 in 2000 to 405.3 per 100,000 in 2005 (Figure 15-28b, Table 15-28b). Hip fracture hospitalization rates for males have declined below the HP2010 target since 2002, and this objective is being achieved.

Examined by race and ethnicity, the highest hip fracture hospitalization rates among persons aged 65 and over were found for Whites (873.3 per 100,000 females and 481.1 per 100,000 males in 2005). The rates for Whites are significantly higher than those for all other racial and ethnic populations, and this objective is not yet being achieved for either White females or White males despite statistically significant declines. The next highest rates were found for Hispanics/Latinos (500.4 per 100,000 females and 271.6 per 100,000 males in 2005), and the HP2010 objective was being met for Hispanic/Latino males but not for females. Hospitalization rates for American Indian/Alaska Native males were unreliable due to the small number of events, but rates for females were below the HP2010 target (153.1 per 100,000 in 2005). As of 2005 this HP2010 objective was being achieved for all female populations except Whites and Hispanics/Latinos, and for all male populations except Whites.

For more information on hip fractures, visit the CDHS Chronic Diseases and Injury Control (CDIC) Web site at: <http://www.dhs.ca.gov/ps/cdic/>

And the Epidemiology and Prevention for Injury Control (EPIC) Web site at: <http://www.dhs.ca.gov/epic/>

For more information on Healthy People 2010 objective 15-28, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/15Injury.htm>
and
<http://www.healthypeople.gov/Document/html/tracking/od15.htm>

Figure 15-28a
Hip Fracture Hospitalization Rates Among Females Aged 65 and Over
California, 2000-2005

Healthy People 2010 objective = 491.0

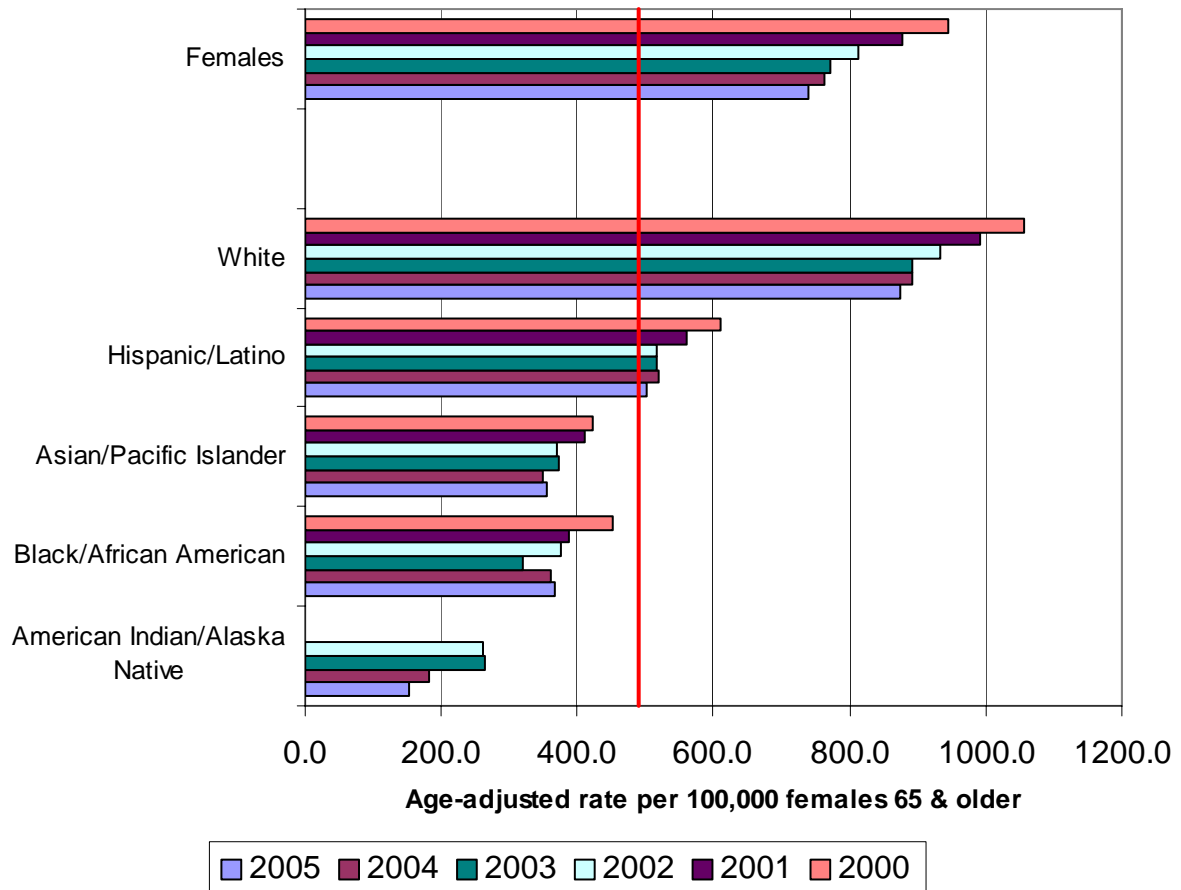


Table 15-28a: Hip Fracture Hospitalization Rates Among Females Aged 65 and Over, California 2000-2005

Objective 15-28a	2000				2001			
	Female		Lower	Upper	Female		Lower	Upper
	Number	Rate ¹	95% C.I.	95% C.I.	Number	Rate ¹	95% C.I.	95% C.I.
Healthy People 2010 Target		491.0				491.0		
Statewide Total	20,695	945.4	932.5	958.3	19,970	877.4	865.3	889.6
Race-Ethnicity								
American Indian/Alaska Native	13	DSU	-----	-----	18	DSU	-----	-----
Asian/Pacific Islander	800	423.9	394.3	453.4	855	409.5	382.0	437.1
Black/African American	482	451.3	411.0	491.6	430	386.2	349.7	422.7
Hispanic/Latino	1,497	610.2	579.1	641.3	1,487	560.2	531.5	588.8
White	17,129	1057.5	1041.5	1073.4	16,421	990.8	975.5	1006.0

Objective 15-28a	2002				2003			
	Female		Lower	Upper	Female		Lower	Upper
	Number	Rate ¹	95% C.I.	95% C.I.	Number	Rate ¹	95% C.I.	95% C.I.
Healthy People 2010 Target		491.0				491.0		
Statewide Total	19,150	812.8	801.3	824.4	18,623	771.8	760.6	782.9
Race-Ethnicity								
American Indian/Alaska Native	28	259.7	163.5	355.9	32	264.5	172.8	356.1
Asian/Pacific Islander	840	370.4	345.3	395.5	912	374.0	349.7	398.3
Black/African American	432	374.3	339.0	409.6	379	321.2	288.9	353.6
Hispanic/Latino	1,486	517.5	491.1	543.9	1,597	517.8	492.4	543.3
White	15,791	934.1	919.4	948.8	15,203	890.7	876.4	905.0

Objective 15-28a	2004				2005			
	Female		Lower	Upper	Female		Lower	Upper
	Number	Rate ¹	95% C.I.	95% C.I.	Number	Rate ¹	95% C.I.	95% C.I.
Healthy People 2010 Target		491.0				491.0		
Statewide Total	18,461	761.6	750.6	772.5	18,112	740.5	729.7	751.2
Race-Ethnicity								
American Indian/Alaska Native	24	181.3	108.7	253.8	22	153.1	89.1	217.0
Asian/Pacific Islander	897	349.0	326.1	371.8	963	354.6	332.2	377.0
Black/African American	435	361.7	327.7	395.7	453	368.1	334.2	402.0
Hispanic/Latino	1,691	519.8	495.0	544.5	1,718	500.4	476.7	524.0
White	14,982	890.9	876.7	905.2	14,539	873.3	859.1	887.5

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;
CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

Notes: * ICD-9-CM code 820 as a Principal Diagnosis.

¹ Rate per 100,000 females aged 65 years and older, age-adjusted using the 2000 US Standard Population.

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).

Figure 15-28b
Hip Fracture Hospitalization Rates Among Males Aged 65 and Over
California, 2000-2005

Healthy People 2010 objective = 450.5

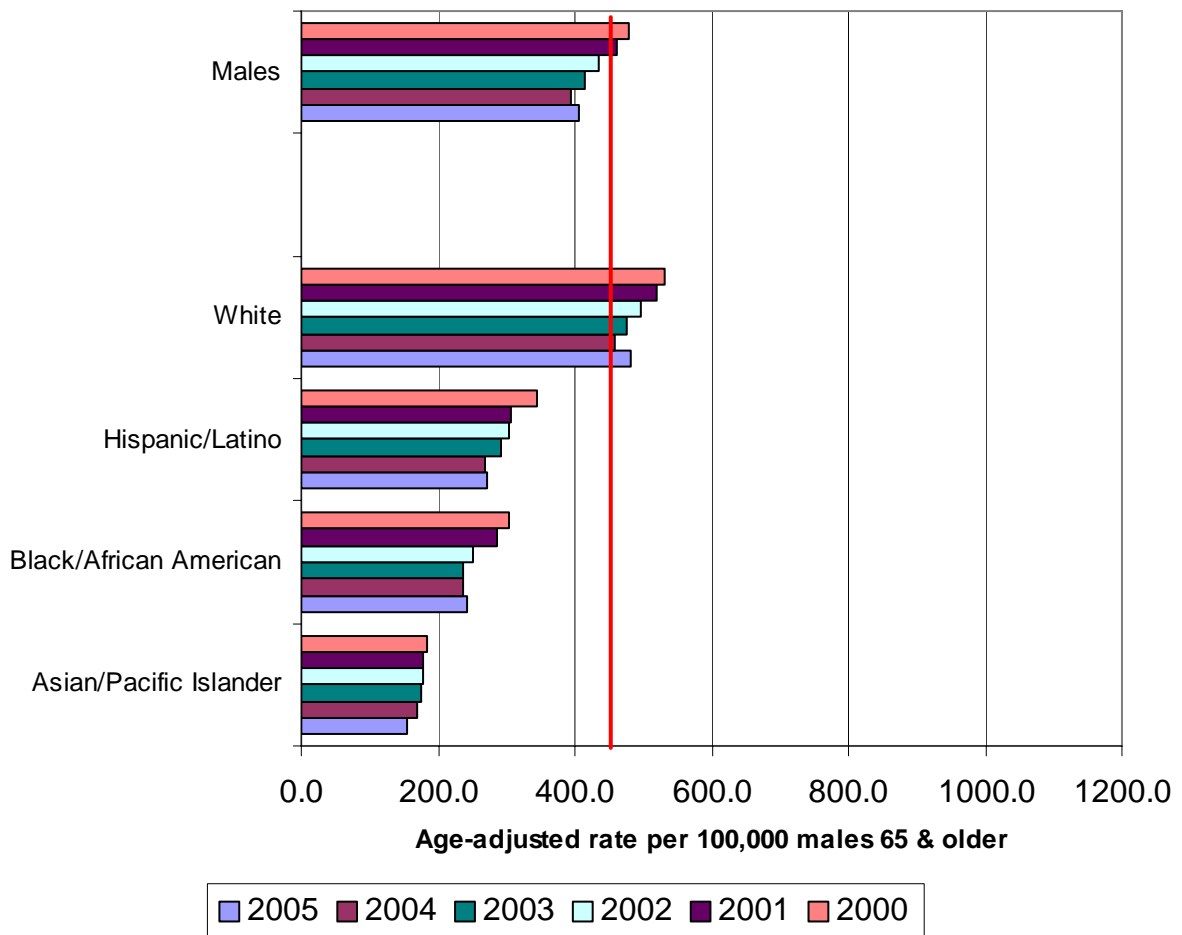


Table 15-28b: Hip Fracture Hospitalization Rates Among Males Aged 65 and Over, California 2000-2005

Objective 15-28b	2000				2001			
	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target		450.5				450.5		
Statewide Total	6,918	479.5	468.2	490.8	6,965	460.0	449.2	470.8
Race-Ethnicity								
American Indian/Alaska Native	7	DSU	-----	-----	6	DSU	-----	-----
Asian/Pacific Islander	256	185.4	162.5	208.2	271	178.1	156.8	199.4
Black/African American	197	302.5	259.6	345.3	196	286.1	245.6	326.7
Hispanic/Latino	570	344.3	315.5	373.1	557	306.4	280.5	332.3
White	5,636	532.6	518.6	546.5	5,676	518.8	505.3	532.3

Objective 15-28b	2002				2003			
	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target		450.5				450.5		
Statewide Total	6,880	434.4	424.1	444.6	6,786	414.1	404.2	424.0
Race-Ethnicity								
American Indian/Alaska Native	7	DSU	-----	-----	13	DSU	-----	-----
Asian/Pacific Islander	298	177.7	157.4	197.9	311	174.4	154.9	193.8
Black/African American	185	250.8	214.1	287.5	173	235.5	200.0	271.1
Hispanic/Latino	600	303.0	278.4	327.6	622	292.0	268.8	315.2
White	5,584	495.2	482.2	508.2	5,489	476.4	463.8	489.0

Objective 15-28b	2004				2005			
	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Male Number	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target		450.5				450.5		
Statewide Total	6,516	392.9	383.4	402.5	6,813	405.3	395.6	414.9
Race-Ethnicity								
American Indian/Alaska Native	4	DSU	-----	-----	7	DSU	-----	-----
Asian/Pacific Islander	315	168.7	150.0	187.3	302	154.7	137.3	172.2
Black/African American	184	237.6	203.3	272.0	190	241.6	207.3	276.0
Hispanic/Latino	615	267.5	246.4	288.7	651	271.6	250.7	292.5
White	5,237	457.0	444.7	469.4	5,497	481.1	468.4	493.8

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;

CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

Notes: * ICD-9-CM code 820 as a Principal Diagnosis.

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